

OM – G: What is it?

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# Learning Objectives

After participating in this course, you will be able to:

- Identify when G studies are indicated
- Understand how to perform G investigation
- Determine if a patient is a candidate for Rhlg



# The G antigen

- G is an antigen in the Rh blood group system
  - Specifically, G maps to the shared exon 2 and the 103-serine residue on RhD, RhCe, and RhCE proteins
- G is present on all D positive and C positive cells



## The G antibody

- Serologically presents as anti-D plus anti-C
- When only anti-G is present:
  - Anti-G often reacts more strongly cells that are D+C+
- Routine Transfusion:
  - Not necessary to distinguish between the antibodies
  - Products negative for C and D will usually be negative for G
- Prenatal serologic investigation:
  - A patient may demonstrate anti-G without the presence of anti-D
  - That patient is a candidate for Rhlg



# **G** Investigation

# Two Adsorptions; One Eluate

- R2R2
- r'r
- G is in the eluate

## Sequential Adsorptions

- Two eluates
- More complicated
- Uses patient sample



## Routine IRL Prenatal Investigation

- ABO using anti-A, anti-B, anti-A,B, and A1, A2, and B cells
- Rh type using anti-D including weak D testing
- Rh phenotype testing the patient for C, E, c, and e
- DAT is performed using polyspecific antihuman globulin
  - A positive DAT with polyspecific AHG will reflex to DATs with anti-IgG and anti-C3
- An 11-cell panel and auto control in tube at IS and PEG/IAT
- This testing is performed on all first time submissions
  - Subsequent samples sent for antibody titration do not include blood typing or DAT unless indicated



Age: 33

Gender: Female

Race: White

ABO/Rh: A Negative

Known Antibodies: anti-D and anti-C

Diagnosis: Pregnancy

Pregnancy History: currently 8 weeks into her 2<sup>nd</sup> pregnancy

Medications: None, Rhlg not given

Transfusion History: Never



# **Initial Antibody Testing**

	D	C	E	c	e	K	k	Fy <sup>a</sup>	Fy <sup>b</sup>	Jk <sup>a</sup>	$\mathbf{J}\mathbf{k}^{\mathrm{b}}$	M	N	S	S	Lea	Le <sup>b</sup>	P <sub>1</sub>	IS	Peg IgG
1	+	0	+	+	0	0	+	0	+	+	+	0	+	0	+	0	+	+	0	2+
2	+	0	+	+	0	0	+	+	+	+	0	+	0	+	+	0	+	+	0	2+
3	0	+	0	+	+	0	+	+	+	+	0	+	+	0	+	0	+	+	0	3+
4	0	+	0	+	+	0	+	+	+	0	+	+	0	+	0	0	+	+	0	3+
5	0	0	0	+	+	0	+	+	0	+	+	+	0	+	0	+	0	+	0	o√
6	0	0	+	+	+	0	+	+	+	+	0	0	+	0	+	0	+	0	0	$\mathbf{o}^{}$
7	0	0	0	+	+	+	0	0	+	0	+	+	+	+	+	0	+	+	0	o√
Patient																			0	$\mathbf{o}_{\wedge}$



# Case Study #1 Initial Antibody Testing

	D	С	щ	Ψ	e	ĸ	k	Fy²	Fy⁵	쌰	₩₽	₩	¥	s	\$	Le <sup>2</sup>	Leb	₽,	IS	Peg IgG
1	+	0	+	+	0	0	+	0	+	+	+	0	+	0	+	0	+	+	0	2+
2	+	0	+	+	0	0	+	+	+	+	0	+	0	+	+	0	+	+	0	2+
3	0	+	0	+	+	0	+	+	+	+	0	+	+	0	+	0	+	+	0	3+
4	0	+	0	+	+	0	+	+	+	0	+	+	0	+	0	0	+	+	0	3+
5	0	0	0	+	+	0	+	+	0	+	+	+	0	+	0	+	0	+	0	0ν
6	0	0	+	+	+	0	+	+	+	+	0	0	+	0	+	0	+	0	0	0ν
7	0	0	0	+	+	+	0	0	+	0	+	+	+	+	+	0	+	+	0	0ν
Patient																			0	0ν

Cells 5, 6, and 7 are nonreactive

 This rules out everything except D and C

Cells 1 and 2 are reactive

They are D positive and C negative, proving anti-D

Cells 3 and 4 are reactive

 They are D negative and C positive, proving anti-C



# Case Study #1 Knowledge Check



Are we confident the serum contains only anti-D and anti-C?

No

What else could this reactivity indicate?

Anti-G

How does anti-G present?

 Anti-G reacts with most cells positive for D and/or C antigen

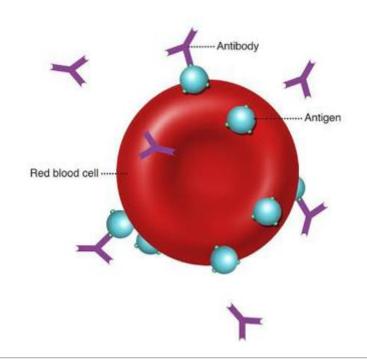


## Adsorptions

## R<sub>2</sub>R<sub>2</sub> Cells

• D, E, c, G positive

If anti-D and/or anti-G is present, it will be adsorbed onto the cells and removed from the patient sample





# R<sub>2</sub>R<sub>2</sub> adsorbed plasma

	D	C	E	c	e	K	k	Fy <sup>a</sup>	Fyb	Jkª	Jk <sup>b</sup>	M	N	S	s	Lea	Leb	P <sub>1</sub>	PEG IgG
1	+	0	+	+	0	0	+	0	+	+	+	0	+	0	+	0	+	+	o√
2	+	0	+	+	0	0	+	+	+	+	0	+	0	+	+	0	+	+	$\mathbf{o}_{\wedge}$
3	0	+	0	+	+	0	+	+	+	+	0	+	+	0	+	O	+	+	w+
4	0	+	0	+	+	0	+	+	+	O	+	+	О	+	О	O	+	+	w+
5	0	0	0	+	+	O	+	+	0	+	+	+	О	+	o	+	0	+	o√
6	0	0	+	+	+	0	+	+	+	+	0	0	+	0	+	O	+	О	o√
7	0	O	O	+	+	+	O	O	+	O	+	+	+	+	+	O	+	+	O <sub>\sqrt</sub>
Patient																			



# R<sub>2</sub>R<sub>2</sub> adsorbed plasma

	D	С	E	С	е	К	k	Fy <sup>a</sup>	Fy <sup>b</sup>	Jkª	Jkb	М	N	s	s	Leª	Le <sup>b</sup>	P <sub>1</sub>	PEG IgG
1	+	0	+	+	0	0	+	0	+	+	+	0	+	0	+	0	+	+	0^
2	+	0	+	+	0	0	+	+	+	+	0	+	0	+	+	0	+	+	0ν
3	0	+	0	+	+	0	+	+	+	+	0	+	+	0	+	0	+	+	w+
4	0	+	0	+	+	0	+	+	+	0	+	+	0	+	0	0	+	+	w+
5	0	0	0	+	+	0	+	+	0	+	+	+	0	+	0	+	0	+	0,
6	0	0	+	+	+	0	+	+	+	+	0	0	+	0	+	0	+	0	0√
7	0	0	0	+	+	+	0	0	+	0	+	+	+	+	+	0	+	+	0ν
Patient																			

Cells 1 & 2 are nonreactive

- D+, C-
- Verifies anti-D and/or anti-G has been absorbed out

Cells 3 and 4 are reactive

- They are D negative and C positive
- This proves anti-C

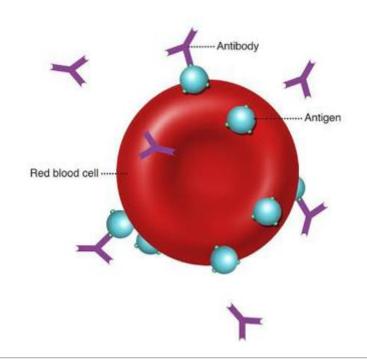


## Adsorptions

### r'r Cells

• C, c, e, G positive

If anti-C and/or anti-G is present, it will be adsorbed onto the cells and removed from the patient sample





# r'r adsorbed plasma

	D	C	E	c	e	K	k	Fya	Fyb	Jka	$\mathbf{J}\mathbf{k}^{\mathrm{b}}$	M	N	S	s	Lea	Le <sup>b</sup>	P <sub>1</sub>	PEG IgG
1	+	0	+	+	0	0	+	0	+	+	+	0	+	0	+	0	+	+	w+
2	+	0	+	+	О	О	+	+	+	+	0	+	0	+	+	0	+	+	w+
3	О	+	0	+	+	О	+	+	+	+	0	+	+	0	+	0	+	+	$\mathbf{o}^{}$
4	0	+	0	+	+	О	+	+	+	0	+	+	0	+	0	0	+	+	$\mathbf{o}^{\checkmark}$
5	О	0	0	+	+	О	+	+	0	+	+	+	0	+	0	+	0	+	$\mathbf{o}^{}$
6	0	0	+	+	+	О	+	+	+	+	0	0	+	0	+	0	+	0	$\mathbf{o}^{}$
7	0	0	0	+	+	+	0	0	+	0	+	+	+	+	+	0	+	+	$\mathbf{o}^{\checkmark}$
Patient																			



# r'r adsorbed plasma

	D	С	E	с	е	К	k	Fy <sup>a</sup>	Fy <sup>b</sup>	Jk <sup>a</sup>	Jkb	М	N	s	s	Leª	Le <sup>b</sup>	P <sub>1</sub>	PEG IgG
1	+	0	+	+	0	0	+	0	+	+	+	0	+	0	+	0	+	+	w+
2	+	0	+	+	0	0	+	+	+	+	0	+	0	+	+	0	+	+	w+
3	0	+	0	+	+	0	+	+	+	+	0	+	+	0	+	0	+	+	0ν
4	0	+	0	+	+	0	+	+	+	0	+	+	0	+	0	0	+	+	0^
5	0	0	0	+	+	0	+	+	0	+	+	+	0	+	0	+	0	+	0ν
6	0	0	+	+	+	0	+	+	+	+	0	0	+	0	+	0	+	0	0^
7	0	0	0	+	+	+	0	0	+	0	+	+	+	+	+	0	+	+	0^
Patient																			

Cells 3 & 4 are nonreactive

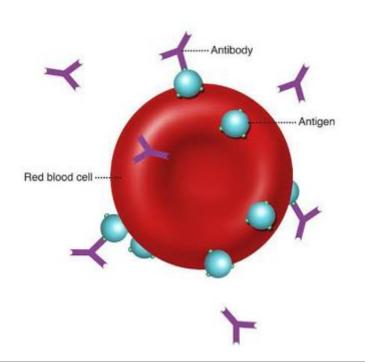
- D-, C+
- Verifies anti-C and/or anti-G has been absorbed out

Cells 1 and 2 are reactive

- They are D positive and C negative
- This proves anti-D



## Adsorptions/Elutions



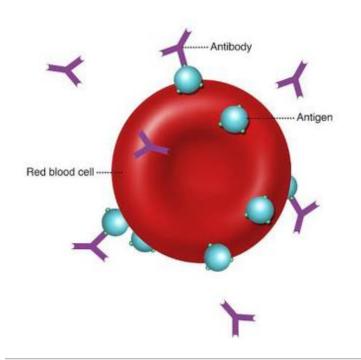
## R<sub>2</sub>R<sub>2</sub> Cells

D, E, c positive
 If anti-D and/or anti-G is present, it will be adsorbed onto the cells

We can test for the presence of anti-D and anti-G by performing an elution on the adsorbing cells



## Adsorptions/Elutions



### r'r Cells

• C, c, e positive

If anti-C and/or anti-G is present, it will be adsorbed onto the cells We can test for the presence of anti-C and anti-G by performing an elution on the adsorbing cells



# Eluate from the R<sub>2</sub>R<sub>2</sub> adsorption

	D	C	E	c	e	K	k	Fya	Fyb	Jka	Jk <sup>b</sup>	M	N	S	S	Lea	Le <sup>b</sup>	P <sub>1</sub>	PEG IgG
1	+	0	+	+	0	0	+	0	+	+	+	0	+	0	+	0	+	+	1+
2	+	0	+	+	O	0	+	+	+	+	0	+	0	+	+	0	+	+	1+
3	0	+	0	+	+	0	+	+	+	+	0	+	+	0	+	0	+	+	1+
4	0	+	0	+	+	0	+	+	+	0	+	+	0	+	0	0	+	+	w+
5	o	o	0	+	+	0	+	+	0	+	+	+	0	+	O	+	0	+	o√
6	o	o	+	+	+	O	+	+	+	+	0	0	+	0	+	0	+	O	$\mathbf{o}^{}$
7	o	О	0	+	+	+	0	O	+	0	+	+	+	+	+	0	+	+	$\mathbf{o}^{}$
Patient																			



# Case Study #1 Eluate from the R2R2 adsorption

	D	С	E	С	е	к	k	Fy <sup>a</sup>	Fy <sup>b</sup>	Jk <sup>a</sup>	Jkb	М	N	s	s	Lea	Le <sup>b</sup>	P <sub>1</sub>	PEG IgG
1	+	0	+	+	0	0	+	0	+	+	+	0	+	0	+	0	+	+	1+
2	+	0	+	+	0	0	+	+	+	+	0	+	0	+	+	0	+	+	1+
3	0	+	0	+	+	0	+	+	+	+	0	+	+	0	+	0	+	+	1+
4	0	+	0	+	+	0	+	+	+	0	+	+	0	+	0	0	+	+	w+
5	0	0	0	+	+	0	+	+	0	+	+	+	0	+	0	+	0	+	0,
6	0	0	+	+	+	0	+	+	+	+	0	0	+	0	+	0	+	0	0,
7	0	0	0	+	+	+	0	0	+	0	+	+	+	+	+	0	+	+	0ν
Patient																			

Cells 3 and 4 are reactive

- They are D negative and C positive
- If only Anti-D, -C were present in the plasma there should be no Anti-C reactivity in this eluate
- This proves anti-G



# Summary

- Initial testing indicates anti-D, anti-C, and/or anti-G is present in the patient plasma
- Anti-C is confirmed using the R<sub>2</sub>R<sub>2</sub> adsorbed plasma
- Anti-D is confirmed using the r'r adsorbed plasma
- Anti-G is confirmed using the eluate from the R<sub>2</sub>R<sub>2</sub> adsorption



### Conclusion

## Antibody identification:

Anti-D

Anti-C

Anti-G

Additional alloantibodies were excluded in the neat plasma



## Administration of Rh Immune Globulin?

- No
- Why?
  - Patient has already developed anti-D



- Age: 26
- Gender: Female
- Race: Black or African American
- ABO/Rh: A Negative
- Known Antibodies: anti-D, anti-C
- Diagnosis: Sickle Cell Anemia, Pregnancy
- Pregnancy History: current; 2<sup>nd</sup> pregnancy
- Medications: Not Provided; Rhlg not given
- Transfusion History: >3 months



# **Initial Antibody Testing**

	D	С	E	c	e	K	k	Fy <sup>a</sup>	Fyb	Jkª	Jkb	M	N	s	S	Lea	Le <sup>b</sup>	P <sub>1</sub>	IS	Peg IgG
1	0	0	+	+	+	0	+	+	W	0	+	+	0	+	0	0	+	+	0	$\mathbf{o}_{\wedge}$
2	0	0	0	+	+	+	0	+	+	0	+	+	0	0	+	+	0	+	0	$\mathbf{o}^{}$
3	О	0	+	+	+	0	+	+	+	+	0	+	+	+	+	+	0	0	0	$\mathbf{o}^{}$
4	0	0	0	+	+	+	+	0	+	0	+	0	+	0	+	0	+	+	0	$\mathbf{o}_{\wedge}$
5	0	0	0	+	+	0	+	+	0	+	0	0	+	0	+	+	0	+	0	$\mathbf{o}_{\wedge}$
6	+	0	+	+	0	0	+	+	+	+	+	+	+	+	+	0	+	+	0	3+
7	+	0	+	+	+	+	0	0	+	+	0	+	+	+	+	O	0	+	0	3+
8	0	+	0	+	+	+	+	+	W	+	+	+	+	+	0	0	0	0	0	3+
9	O	+	0	+	+	+	+	+	0	0	+	+	0	+	+	+	0	0	0	3+
Patient																			0	$\mathbf{o}_{\wedge}$



# Case Study #2 Initial Antibody Testing

	D	С	E	e	e	ĸ	k	Fy³	Fyb	₩ª	₩b	м	N	s	s	Le³	Leb	₽,	IS	Peg IgG	
1	0	0	+	+	+	0	+	+	w	0	+	+	0	+	0	0	+	+	0	0^	l
2	0	0	0	+	+	+	0	+	+	0	+	+	0	0	+	+	0	+	0	0,	
3	0	0	+	+	+	0	+	+	+	+	0	+	+	+	+	+	0	0	0	0,	
4	0	0	0	+	+	+	+	0	+	0	+	0	+	0	+	0	+	+	0	04	
5	0	0	0	+	+	0	+	+	0	+	0	0	+	0	+	+	0	+	0	0,	
6	+	0	+	+	0	0	+	+	+	+	+	+	+	+	+	0	+	+	0	3+	
7	+	0	+	+	+	+	0	0	+	+	0	+	+	+	+	0	0	+	0	3+	
8	0	+	0	+	+	+	+	+	w	+	+	+	+	+	0	0	0	0	0	3+	
9	0	+	0	+	+	+	+	+	0	0	+	+	0	+	+	+	0	0	0	3+	
10	+	0	+	+	0	+	+	+	+	+	+	+	+	0	+	0	+	0	0	3+	
Patient																			0	0^	

- Cells 6, 7, and 10 show apparent anti-D
- Cells 8 and 9 show apparent anti-C
- All other common alloantibodies are ruled out



# Case Study #2 Knowledge Check



### Next Steps:

- R<sub>2</sub>R<sub>2</sub> adsorption
- r'r adsorption
- Eluation from at least one of the adsorbing cells



# R<sub>2</sub>R<sub>2</sub> adsorbed plasma

	D	c	E	c	e	K	k	Fy <sup>a</sup>	Fy <sup>b</sup>	Jkª	Jk <sup>b</sup>	M	N	s	s	Leª	Le <sup>b</sup>	P <sub>1</sub>	PEG IgG
1	0	0	+	+	+	0	+	+	W	0	+	+	0	+	0	0	+	+	$\mathbf{o}_{\wedge}$
2	0	0	0	+	+	+	0	+	+	0	+	+	0	0	+	+	0	+	$\mathbf{o}^{}$
3	0	0	+	+	+	0	+	+	+	+	0	+	+	+	+	+	0	0	$\mathbf{o}^{}$
4	0	0	0	+	+	+	+	0	+	0	+	0	+	0	+	0	+	+	$\mathbf{o}^{}$
5	0	0	0	+	+	0	+	+	0	+	0	0	+	0	+	+	0	+	$\mathbf{o}^{}$
6	+	0	+	+	0	0	+	+	+	+	+	+	+	+	+	0	+	+	$\mathbf{o}^{}$
7	+	0	+	+	+	+	0	0	+	+	0	+	+	+	+	0	0	+	$\mathbf{o}^{}$
8	0	+	0	+	+	+	+	+	W	+	+	+	+	+	0	0	0	0	3+
9	0	+	0	+	+	+	+	+	0	0	+	+	0	+	+	+	0	0	3+



# R<sub>2</sub>R<sub>2</sub> adsorbed plasma

																			PEG
	D	С	E	С	е	K	k	Fy <sup>a</sup>	Fyb	Jka	Jkb	М	N	S	S	Lea	Leb	P <sub>1</sub>	IgG
1	0	0	+	+	+	0	+	+	W	0	+	+	0	+	0	0	+	+	0√
2	0	0	0	+	+	+	0	+	+	0	+	+	0	0	+	+	0	+	0ν
3	0	0	+	+	+	0	+	+	+	+	0	+	+	+	+	+	0	0	0ν
4	0	0	0	+	+	+	+	0	+	0	+	0	+	0	+	0	+	+	0√
5	0	0	0	+	+	0	+	+	0	+	0	0	+	0	+	+	0	+	0√
6	+	0	+	+	0	0	+	+	+	+	+	+	+	+	+	0	+	+	0√
7	+	0	+	+	+	+	0	0	+	+	0	+	+	+	+	0	0	+	0√
8	0	+	0	+	+	+	+	+	w	+	+	+	+	+	0	0	0	0	3+
9	0	+	0	+	+	+	+	+	0	0	+	+	0	+	+	+	0	0	3+

Cells 8 and 9 are reactive

- They are D negative and C positive
- This proves anti-C



# r'r adsorbed plasma

	D	c	E	c	e	K	k	Fy <sup>a</sup>	$\mathrm{Fy^b}$	Jkª	Jk <sup>b</sup>	M	N	s	s	Leª	Le <sup>b</sup>	P <sub>1</sub>	Peg IgG
1	0	0	+	+	+	0	+	+	w	0	+	+	0	+	0	0	+	+	o√
2	0	0	0	+	+	+	0	+	+	0	+	+	0	0	+	+	0	+	$\mathbf{o}^{}$
3	0	0	+	+	+	0	+	+	+	+	0	+	+	+	+	+	0	0	o√
4	0	0	0	+	+	+	+	0	+	0	+	0	+	0	+	0	+	+	$\mathbf{o}^{}$
5	0	0	0	+	+	0	+	+	0	+	0	0	+	0	+	+	0	+	$\mathbf{o}^{}$
6	+	0	+	+	0	0	+	+	+	+	+	+	+	+	+	0	+	+	$\mathbf{o}^{}$
7	+	0	+	+	+	+	0	0	+	+	0	+	+	+	+	0	0	+	o√
8	0	+	0	+	+	+	+	+	w	+	+	+	+	+	0	0	0	0	$\mathbf{o}^{}$
9	0	+	0	+	+	+	+	+	0	0	+	+	0	+	+	+	0	0	o√



# r'r adsorbed plasma

	D	С	Е	С	e	к	k	Fya	Fyb	Jka	Jkb	м	N	s	s	Lea	Leb	P <sub>1</sub>	PEG IgG
1	0	0	+	+	+	0	+	+	w	0	+	+	0	+	0	0	+	+	0ν
2	0	0	0	+	+	+	0	+	+	0	+	+	0	0	+	+	0	+	0√
3	0	0	+	+	+	0	+	+	+	+	0	+	+	+	+	+	0	0	0ν
4	0	0	0	+	+	+	+	0	+	0	+	0	+	0	+	0	+	+	0ν
5	0	0	0	+	+	0	+	+	0	+	0	0	+	0	+	+	0	+	0ν
6	+	0	+	+	0	0	+	+	+	+	+	+	+	+	+	0	+	+	0ν
7	+	0	+	+	+	+	0	0	+	+	0	+	+	+	+	0	0	+	0√
8	0	+	0	+	+	+	+	+	w	+	+	+	+	+	0	0	0	0	0ν
9	0	+	0	+	+	+	+	+	0	0	+	+	0	+	+	+	0	0	0ν

There is no reactivity with the adsorbed plasma

- The r'r adsorption removes anti-C and anti-G
- This rules out anti-D



# Eluate from the R<sub>2</sub>R<sub>2</sub> adsorption

	D	c	E	c	e	K	k	Fya	Fyb	Jka	Jk <sup>b</sup>	M	N	s	S	Lea	Le <sup>b</sup>	P <sub>1</sub>	PEG IgG
1	0	0	+	+	+	0	+	+	w	0	+	+	0	+	0	0	+	+	$\mathbf{o}_{\wedge}$
2	0	0	0	+	+	+	0	+	+	0	+	+	0	0	+	+	0	+	$\mathbf{o}^{}$
3	0	0	+	+	+	0	+	+	+	+	0	+	+	+	+	+	0	0	$\mathbf{o}_{\wedge}$
4	0	0	0	+	+	+	+	0	+	0	+	0	+	0	+	0	+	+	$\mathbf{o}^{}$
5	0	0	0	+	+	0	+	+	0	+	0	0	+	0	+	+	0	+	o√
6	+	0	+	+	0	0	+	+	+	+	+	+	+	+	+	0	+	+	$\mathbf{o}^{}$
7	+	0	+	+	+	+	0	0	+	+	0	+	+	+	+	0	0	+	o√
8	0	+	0	+	+	+	+	+	w	+	+	+	+	+	0	0	0	0	w+
9	0	+	0	+	+	+	+	+	0	0	+	+	0	+	+	+	0	0	w+



# Case Study #2 Eluate from the R2R2 adsorption

	D	С	Е	С	е	К	k	Fya	Fyb	Jka	Jkb	М	N	S	s	Lea	Leb	P <sub>1</sub>	IgG
1	0	0	+	+	+	0	+	+	w	0	+	+	0	+	0	0	+	+	0ν
2	0	0	0	+	+	+	0	+	+	0	+	+	0	0	+	+	0	+	0ν
3	0	0	+	+	+	0	+	+	+	+	0	+	+	+	+	+	0	0	0ν
4	0	0	0	+	+	+	+	0	+	0	+	0	+	0	+	0	+	+	0ν
5	0	0	0	+	+	0	+	+	0	+	0	0	+	0	+	+	0	+	0ν
6	+	0	+	+	0	0	+	+	+	+	+	+	+	+	+	0	+	+	Ο <sub>Λ</sub>
7	+	0	+	+	+	+	0	0	+	+	0	+	+	+	+	0	0	+	0ν
8	0	+	0	+	+	+	+	+	w	+	+	+	+	+	0	0	0	0	w+
9	0	+	0	+	+	+	+	+	0	0	+	+	0	+	+	+	0	0	w+

# Cells 8 and 9 are reactive

- They are D negative and C positive
- Only anti-D and anti-G would adsorb onto the R2R2 cell
- Anti-D is ruled out in this elution
- This proves anti-G



# Summary

- Initial testing indicates anti-D, anti-C, and/or anti-G is present in the patient plasma
- The R<sub>2</sub>R<sub>2</sub> adsorbed plasma proves the anti-C
- The r'r adsorbed plasma rules out the anti-D
- The eluate from the R<sub>2</sub>R<sub>2</sub> adsorption proves the anti-G



## Conclusion

The patient has:

Anti-C

Anti-G

Additional alloantibodies were excluded

The previously identified anti-D was likely anti-G reacting with D positive red cells



## Administration of Rh Immune Globulin?

- Yes
- Why?
  - Patient has not developed anti-D



# **Key Takeaways**

- If RhIg has already been administered, it is NOT necessary to perform G determination
- The purpose of anti-G determination is to assess if Rhlg should be given
- Titers will NOT isolate anti-G
- Anti-G can only be isolated in an eluate



## **THANK YOU!**



Questions?

